



The Ground Plane

South Bay
Amateur
Radio
Association
ARRL Member Club
Since 1974



Volume 2 Edition 6

June, 2001

Presidents Message

SBARA 2001 President—Mike AB6CV

This month is Field Day. As many of you know ham radio operators use Field Day as a training exercise for setting up emergency communications.

But it really has ended up being a time to have some fun with ham radio.

As well as meet up with old friends and share some good food. SBARA plans to have all that at our Field Day site at Lake Elizabeth in Fremont again this year. You are all invited to the entire event.

But many of you want to attend the feeding frenzy on Saturday evening. Well sure come on over! There should be food from 4-7PM (earlier is better since later on there might not be anything left).

We plan on having plenty of Ham Radio activities going on. If anyone cant make Saturday we will be running until 11 AM Sunday as well.

And we can always use help tearing things down on Sunday. Lots of tired Hams wandering around that day.

Field day runs continuously for a 24 hour period, 11AM Sat until 11AM Sun. If you want to stop by at 3AM come on over. Someone will be up.

Hope to see lots of you there!
73,

Mike AB6CV

June Program Announcement

June 19th, SBARA Club Meeting -

The meeting will be devoted to the Field Day plans and operating positions.

See you all at 7:30PM!

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Potluck News and Yummy Treats

On Saturday June 8th, Harry Lau met with the Field Day food committee for detail planning of the gastronomical feast in store for all the SBARA members at this year's Field Day. In attendance were Ernie Anaya (KF6FFE), Paul (WD6ATJ) and Judy Lewis, Syd Furman (W6QWK), Al Rendon (WT6K) and team leader Harry Lau (KF6QAK).

Harry said that Field Day on June 22nd 23rd would begin with coffee, donuts and bagels for all the members who arrive at 8:00 AM to help with equipment setup. Lunch will be provide by Judy Lewis who will be making sandwiches for the operators and others participating in a support roles. Plenty of water, Lemonade, soft drinks, coffee and snacks will be available for the lunchtime meal and continuing on into the afternoon.

Then he said for this year's potluck at 5:00PM, Judy Lewis would be cooking a turkey. To go along with the turkey she will provide gravy and the club will provide the potatoes. Ernie Anaya will be barbecuing the traditional hamburgers and sausages/hot dogs that all of us 'young folks' enjoy! If you plan to attend please bring a salad to share. Dessert will be vanilla ice cream with chocolate sauce to top it off.

As the evening goes on, the team is planning to have hot water, instant coffee, tea and hot chocolate plus plenty of snacks available for those operators who will be spending the night.

Harry wanted to remind you that EVERYONE is invited to Field Day and looks forward to seeing you and your family at the potluck Saturday June 22nd at 5:00PM.

For more information contact Harry Lau at (510) 791-2418 evenings or e-mail at: hlau@usa.com

CQ FIELD DAY... from KU6S... 4A EAST BAY

Everything is set for another fun filled Field Day. Yet it is important to reflect on the purpose behind Field Day and keep in mind that we are practicing 'How To' provide emergency communications in the event of a disaster or national emergency.

All those easy to erect antennas, radio equipment and shelters that you bring to setup and operate may be needed one day for backup communication in a real emergency.

Fortunately it turns out that operating in a contest is also lots of fun for ham radio operators! Competing with other clubs and independent groups to see who can work the most stations and end up with the highest point count for an HF Ham Operator is one of the challenges.

Yet, the spirit of teamwork and cooperation among all the SBARA members working together to make Field Day a success is for many of us is the most enjoyable part. This teamwork, knowing what to do and whom you can depend upon is a major ingredient to success in a real emergency situation.

So on Saturday June 22nd at 8:00AM come and see for yourself how effective the SBARA team is at working together to set up four stations and all the support function to operate for twenty-four hours. Jump right in and help out. Become a team player. Remember, it is foremost a practice event that every ham can benefit from.

For more information please contact Al Rendon at wt6k@arrl.net.

SBARA FIELD DAY 2002- OPERATORS STATION ROSTER

80-Meters: This year as usual, the 80-meter station will operate at night. Alan Kittell (KE6YKK) will provide his FT 840. Ted Cameron (N6BFO) has donated his automatic antenna tuner and "Jungle" mast so that a full wave sloping loop on 80 can be erected.

40-Meters: Again this year the 40-meter station will operate 24 hours using a separate 40-meter antenna when the 80-Meter station is on the air. Otherwise, the 40-Meter station will be using the 80-Meter full wave sloping loop. The transceiver will be an ICOM 706. The proposed 40-Meter antenna will be a sloping Delta Loop full wave on 40-meters. John Cincotta (N6PLR) will be the lead operator.

20-Meters: Mike Studer will lead the 20-Meter station setup. 20-Meters is the backbone of the Field Day effort and will be operated 24 hours. He will be using his Elecraft K2 amplified to 100 watts. The station antenna will be a resonant 20M dipole.

15-Meters: This year Gary McCulley will bring his FT-840 for the 15M efforts. A cubical Quad mounted on a "Jungle" mast is planned for the station antenna. Dennis Franklin (K6DF) and Steve Bassett (KV6VH) will provide the operating leadership.

10-Meters: A GOTA station has replaced the Novice/Tech station this year in the Field Day rules. It is a station that anyone can operate and does not count in the KU6S station count. Sam Severs will be leading the effort to set up the station and be the control operator.

VHF/UHF Packet Station: Doug Stinson has asked to set up a packet station at Field Day. We can get points if Doug successfully sends a message to our ARRL Section Manager.

Satellite Station: This year Bill Rausch (AA6PA) will be setting up a satellite station in hopes of working other stations through the AO40 Satellite. He will be using the 2.4 GHz downlink of AO40. This will be an interesting station for all of us attending Field Day to observe.

As you can see there are plenty of opportunities for operating a station since most will be on the air for 24 hours. Come to Field Day and get involved with operating one of the station as backup operations are needed.

Project Idea

Project Idea

James Lee N1DDK

The other day I had an inspiration for a project. It is a simple device to decode and encode PL, and possible DCS. I don't want to go into too much detail at this time, but instead offer a few things.

First I would like to know is there anyone who would like to help in the development of this idea into a working prototype. I believe it will end up being just a PIC16F84 and an Op amp. I would be interested in working with anyone with some software and signal processing skills. Please contact me if you think you can help.

Secondly I am interested in what other members think. When I (we?) finish should there be a technical presentation to the club about what was done and how it works? Should there be a workshop where club members can build their own?

I'm sure others of you may have an idea or inspiration for a project or experiment. Maybe you do not have enough time to do it all yourself. Perhaps you can write a short article like this one and you may find members who can help with your project.

When the PL/DCS project is done I would like to release it all on the SBARA web site. I would like SBARA to be known like some of the more forward clubs that contributes to the general ham community.

Doing a kit for a workshop and conducting a workshop is not hard. I can help with the design of circuit boards. I have the equipment to program PICs. The place I use to make boards is about \$60 for setup and then about \$1/square inch. When we do 30 boards for a workshop that gets the setup down to only \$2/board.

Lets all work together to learn and have fun with some interesting projects. Personally I'm also interested in 900MHz and 1.2Gig.

See you at the next meeting
-- James N1DDK

*On the Web at
www.qsl.net/sbara*

Ham Radio to the World and Beyond! .-.-

Visit SBARASAT on the Internet at
<http://www.sbarasat.org>.

Watch SBARASAT for details on the
pending Satellite design !!!

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Field Day 2001—Special Announcement

The SBARA June meeting is devoted to the plans that will be part of our Field Day operation. Lake Elizabeth is our home again this year!

Please remember to bring a "side-dish" and or a "dessert" for our Saturday Evening meal. Finally, Sunday morning helpers are needed to 'clean up' the site. Will you help?

The Ground Plane

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